

MRG ESA Collaborative Program List of Projects Funded with FY2004 Appropriation

Project Description	Proposal #	Project Leads	Cost	FY03/New	Project Description
Water Acquisition					
			\$1,400,000		Provides funds for water acquisition, and water storage and release to provide environmental benefits for the MRG
Program Coordination					
Program Manager, Assistant, Website	na	USFWS/Tetrattech	\$633,623	New	Supports staff and contractual technical support, development of Program website and other administrative support
Database		COE/USFWS	\$100,000	New	Supports development of Program database
Reach Plan for Habitat Restoration subcommittee	na	NMISC/MNA	\$150,000	New	Development of reach specific management plans
US Bureau Contract Administration	na	Reclamation	\$225,000	New	Provides contractual support to the Program
Water Acquisition and Management					
Operation Improvements and Water Management	80	NMISC/Papadopoulos	\$228,405	FY03	Development of a decision support system model with gauges and automated flow-control gates to the MRGCD irrigation system in the Socorro Division
Evaluation of Conveyance Losses and Onfarm Efficiency	59	MRGCD/URS	\$124,858	FY03	Identification of those portions of the MRGCD conveyance system that do not utilize water optimally
Additional gauges	37	USGS	\$38,000	FY 03	Provides funds for additional gauges to quantify river flows
Data collection to better define the interaction of the surface and groundwater systems in the middle valley	89	USGS	\$53,096	New	Establishes a surface-water elevation data collection network along the Rio Grande and a ground water elevation data collection network adjacent to the river and riverside drains
Habitat Restoration					
Perrenial Pools	1	Habitech, Inc/NMSU/MRGCD	\$15,567	FY03	Design, installation and evaluation of three snag structures placed in the Albuquerque Reach to improve RGSM habitat
Low Impact/High Yield Rio Bravo South Site	26	City of ABQ	\$236,500	New	Creation of RGSM habitat utilizing bar and channel modifications and woody debris snags
Mesohabitats RGSM	62	NMISC/SWCA	\$174,426	New	Design and excavation of nursery habitats an dlow velocity habitat in mid-channel islands to restore areas to retain drifting RGSM eggs and larvae
Rio Grande Nature Center Habitat Restoration	75	COE	\$135,075	New	Re-establishment of hydrological connection between the river and bosque at the Rio Grande Nature Center to the benefit of RGSM and SWWF
San Juan Pueblo WIFL	90	San Juan Pueblo	\$294,390	FY03	Creation of 20 acres of SWWF habitat along a restored natural watercourse
Los Lunas Revegetation	70	COE	\$92,789	FY03	Site revegetation of 16 acres and preparation of a comprehensive monitoring plan to evaluate success of the project

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Science and Monitoring					
Propagation of the RGSM	12	USFWS	\$400,000	FY03	Captive propagation, rearing and marking of RGSM for refugial, experimental, and augmentation efforts to include induced spawning, egg hatching, and rearing of juvenile and adult fish for subsequent stocking in the MRG
Monitoring the Reproductive Effort of RGSM	58	UNM/ASWIRF	\$85,050	FY03	Continuation of long-term monitoring of the RGSM reproductive effort
Population Monitoring of the RGSM	57	UNM/ASWIRF	\$152,292	FY03	Continuation of RGSM population monitoring
Experimental Augmentation and Monitoring Plan	42	USFWS	\$171,371	FY03	Evaluates RGSM stocking efforts to provide a better understanding of propagation methods, stocking times and methods, and monitoring efforts needed
BO Salvage/Rescue/Monitor	51	USFWS	\$292,410	FY03	Supports river monitoring, RGSM rescue and determination of incidental take
RGSM Refugium	23	COA	\$109,010	FY03	Provides for operation and maintenance of the Naturalized Refugium, a RGSM breeding and rearing center at the Albuquerque Biological Park
Conservation genetics	53	UNM	\$124,440	FY03	Provides genetic studies of wild and artificially propagated stocks to evaluate the effects of population augmentation
Determination of lethal levels of temp./DO to life stages of the RGSM	9	USGS	\$88,000	New	Determines lethal levels of dissolved oxygen and temperature to four life stages of RGSM
Evaluating the risks of potentially adverse water quality impacts to the RGSM	77	Tetra Tech/NMISC	\$75,032	New	Provides additional analysis of potential water quality threats to the RGSM in the river
Documentation and quantification of food types available to MRG fish community	65	NMISC/SWCA	\$124,162	New	Identification and quantification of spatial and temporal variation in the type, abundance and availability of potential RGSM food resources
Monitoring SWWF on the Sevilleta NWR and La Joya SWMA	47	Reclamation	\$64,535	FY03	Continuation of efforts to identify SWWF territories and nesting locations, nest monitoring, and habitat availability to assess impacts on SWWF populations
SWWF surveys	14	SWCA	\$76,350	New	Additional surveys to determine presence of SWWF
Restoration measurement and comparison of potential SWWF habitats in MRG	85	USFS	\$83,145	New	Restoration and evaluation of SWWF habitat on fuel reduction and wildfire sites
Evaluation of bar geomorphology, distribution and dynamics as indices of fluvial processes, channel evolution and in-channel habitat availability in MRG	81	NMISC/Mussetter	\$37,558	FY03	Evaluates river morphology and dynamics, and in-channel habitat for RGSM
A study of transient gw riparian conditions sensitivity to changes in hydrology, geomorphology and vegetation	78	NMISC/Papadopoulos	\$179,024	FY03	Evaluates interactions between shallow groundwater and surface water in floodplain habitat associated with different water management practices and water supply conditions
Riparian evapotranspiration	86	UNM	\$319,240	FY03	Quantifies and evaluates riparian ET losses with removal of non-native plant species
Bosque soil evaporation monitoring and modeling	27	UNM	\$115,287	FY03	Monitors soil water evaporation in bosque soils to develop a method to estimate soil evaporative depletions along the MRG